



Docket No.: 1293.1270

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J. Ameth
10/18/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Jeong-kwan LEE, et al. ✓

Serial No. 09/982,086 ✓

Confirmation No. 6758

Filed: October 19, 2001 ✓

Group Art Unit: 2811

Examiner: Samuel A. Gebremariam

For: MICRO-LENS BUILT-IN VERTICAL CAVITY SURFACE EMITTING LASER

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AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

This is in response to the Office Action mailed July 18, 2002, and having a period for response set to expire on October 18, 2002.

The following amendments and remarks are respectfully submitted. Reconsideration of the claims is respectfully requested.

IN THE SPECIFICATION:

Please REPLACE paragraph [0040], with the following paragraph:

[0040] Referring to FIG. 5, the micro-lens built-in VCSEL, according to the second embodiment of the present invention, includes a substrate 200, a lower reflector 210, an active layer 120, and an upper reflector 240 which are sequentially stacked on the substrate 200, an upper electrode 260 formed on the upper reflector 240, and a lower electrode 270 formed on a portion of the bottom of the substrate 200 excluding a window region 280 through which a laser beam is emitted. To emit a laser beam through the substrate 200, the lower reflector 210 is formed having a smaller reflectivity than the upper reflector 240.

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